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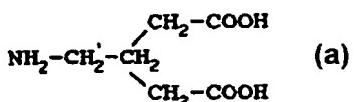
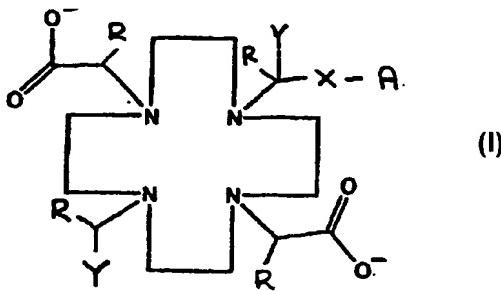
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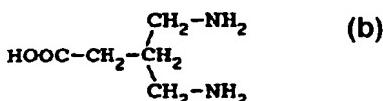
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(54) Title: PROCHELATORS OF RADIOMETAL LABELED MOLECULES



or of the formula



WO 02/024235 A3

(57) Abstract: Chelating compounds for labeling bioactive molecules with a radiometal, having general formula (I) in which: both Y groups may be positioned either trans as shown or cis; A is an effector molecule, such as a peptide, in particular octreotide, CCK, substance P, gastrine, a protein, in particular an antibody or enzyme, sugars or radiosensitizing agents, like doxorubicin; R is a hydrogen, a C₁-C₃ alkyl or a alcohol; X is a spacer, in particular (CH₂)_n-X', in which n is 1-10 and X' is COOH, NH₂, SH, OH or O-halogen, in which halogen is in particular Br, I or Cl, or a molecule of the formula (a) or of the formula (b), Y is COO-, CH₂CONH₂, CH₂CH₂OH, optionally complexed with a radiometal.